

Title (en)
Rotor blade

Title (de)
Rotorblatt

Title (fr)
Aube rotorique

Publication
EP 1074700 A3 20040218 (EN)

Application
EP 00306248 A 20000721

Priority
US 36460599 A 19990730

Abstract (en)
[origin: EP1074700A2] A rotor blade (100) for a turbine engine (10) including a blade root section (104) and an airfoil section (102) which extends radially outward along a radial line RAS from the blade root section (104), is described. The radial line RAS extends at an angle relative to a plane extending across a top surface of a platform (106), rather than normal, or perpendicular, to such plane. As a result, and during a blade out event, an over turning moment is generated in a root of the airfoil section (102). The overturning moment facilitates bending the airfoil section (102) reducing damage to the stator. <IMAGE>

IPC 1-7
F01D 21/04; F01D 5/14; F04D 29/38

IPC 8 full level
F04D 29/38 (2006.01); **F01D 5/14** (2006.01); **F01D 21/04** (2006.01); **F04D 29/32** (2006.01)

CPC (source: EP US)
F01D 5/141 (2013.01 - EP US); **F01D 5/3007** (2013.01 - EP US); **F01D 21/045** (2013.01 - EP US); **F04D 29/324** (2013.01 - EP US)

Citation (search report)

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